

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
23 October 2003 (23.10.2003)

PCT

(10) International Publication Number  
**WO 03/086370 A1**

(51) International Patent Classification<sup>7</sup>: A61K 9/70,  
31/216

(21) International Application Number: PCT/IB03/01459

(22) International Filing Date: 15 April 2003 (15.04.2003)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:  
MI2002A000798 15 April 2002 (15.04.2002) IT

(71) Applicant (for all designated States except US): F.T.  
HOLDING S.A. [LU/LU]; 207, route d'Arlon, L-1150  
Luxembourg (LU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CILURZO,  
Francesco [IT/IT]; Viale Pasubio, 6, I-20154 Milano (IT).  
TOSI, Leila [IT/IT]; Via C. Farini, 56, I-20159 Milano  
(IT).

(74) Agent: GERVASI, Gemma; Notarbartolo & Gervasi  
S.p.a., Corso di Porta Vittoria, 9, I-20122 Milan (IT).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

A1

**WO 03/086370** A1  
(54) Title: TRANSDERMAL PATCHES HAVING A SILICONIC ADHESIVE MATRIX-STABILIZED-WITH-METHACRYLIC COPOLYMERS

(57) Abstract: Patch suitable for transdermal or local administration of active principles comprising: (a) a matrix based on pressure sensitive adhesive silicone polymers containing: (a-1) said active principle in concentrations between 1 and 10% by weight on the total weight of said dry adhesive matrix, (a-2) said silicone polymers in quantities, between 80 and 98% by weight on the total weight of said dry adhesive matrix, (a-3) a copolymer of cationic type of acrylic and/or methacrylic esters containing amino groups or sulfated ammonium groups in a concentration between 1 and 10% by weight on the total weight of said adhesive silicone polymers. (b) a support layer on which said adhesive matrix (a) is located, (c) a protective layer disposed on said adhesive matrix and removable on use.